

TABLE 1 - 01/20/12
FIELD AND QC SAMPLING SUMMARY
DIMOCK RESIDENTIAL GROUNDWATER SITE
DIMOCK, SUSQUEHANNA COUNTY, PENNSYLVANIA

| Parameter/Method | Matrix | Field Samples | QC Sample Summary | | | | Total Field and QA/QC Analyses (not including MS/MSD) ⁴ |
|--|--|---------------|-------------------|----------------------------|-----------------------------|-----------------------------|--|
| | | | Dup | Trip ^{1,2} Blanks | Field ^{1,3} Blanks | Equip ^{1,3} Blanks | |
| EPA R2 Lab | | | | | | | |
| Methylene Blue Active Substances (MBAS) (SM 5540C) | drinking water | 60 | 6 | - | 5 | - | - |
| EPA R3 Lab | | | | | | | |
| Anions: Chloride, Bromide, Fluoride, Orthophosphorus as P, Sulfate as SO ₄ (300.0) | drinking water | 60 | 6 | - | 5 | - | 7 |
| Glycols incl. 2-Butoxyethanol (Modified 8321) | drinking water | 60 | 6 | - | 5 | - | 4 |
| Metals Dissolved: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mg, Mn, Na, Ni, Sb, Se, Sn, Sr, Ti, Tl, U, V, Zn (200.7/200.8/245.1) | Filtered drinking water | 60 | 6 | - | - | 5 | 7 |
| Metals: Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mg, Mn, Na, Ni, Sb, Se, Sn, Sr, Ti, Tl, U, V, Zn (200.7/200.8/245.1) | drinking water | 60 | 6 | - | 5 | - | 7 |
| Semi-Volatiles (TCL plus TICs) (OLC03.2) | drinking water | 60 | 6 | - | 5 | - | 4 |
| Solids, Total Dissolved (TDS) (SM 2540C) | drinking water | 60 | 6 | - | 5 | - | 7 |
| Solids, Total Suspended (TSS) (SM 2540D) | drinking water | 60 | 6 | - | 5 | - | 7 |
| Volatiles + Acrylonitrile (TCL + TICs) (OLC03.2) | drinking water | 60 | 6 | 1 | 5 | - | 4 |
| Wet Chemistry: - Phosphorus, Total (365.4); - Nitrate/Nitrite (353.2); - Nitrogen; Total (353.2) | drinking water | 60 | 6 | - | 5 | - | 7 |
| Oil & Grease (HEM) (1664A) | drinking water | 60 | 6 | - | 5 | - | - |
| Alcohols: Ethanol, methanol, 1-propanol, 1-butanol, 2-butanol (8015D) | drinking water | 60 | 6 | - | 5 | - | 4 |
| EPA R9 Lab | | | | | | | |
| Dissolved Gases, Methane, Ethane, Ethene, Propane, Butane (RSK-175, or equiv - EPA R9 SOP 325) | drinking water | 60 | 6 | 1 | 5 | - | 4 |
| DRO (8015M, or equiv-EPA R9 SOP 385) | drinking water | 60 | 6 | - | 5 | - | 4 |
| GRO (8015M, or equiv-EPA R9 SOP 380) | drinking water | 60 | 6 | - | 5 | - | 4 |
| NAREL | | | | | | | |
| Alpha Spec (Th-228, Th-230, Th-232) (DOE HASL 300) | drinking water | 60 | 6 | - | 5 | - | - |
| Alpha Spec (U-234, U-235, U-236, U-238) (DOE HASL 300) | drinking water | 60 | 6 | - | 5 | - | - |
| Gamma Spec Bi-212, Bi-214, K-40, Ra-226, Ra-228, Th-232, Th-234, U-234, U-235, U-238 (901.1) | drinking water | 60 | 6 | - | 5 | - | - |
| Gross Alpha/Beta (900.0) | drinking water | 60 | 6 | - | 5 | - | - |
| Ra-226 (903.1) | drinking water | 60 | 6 | - | 5 | - | - |
| Ra-228 (904.0) | drinking water | 60 | 6 | - | 5 | - | - |
| TBD | | | | | | | |
| PAH SIM (8270C) | drinking water | 60 | 6 | - | 5 | - | 4 |
| Ethylene Glycol (8015M) | drinking water | 60 | 6 | - | 5 | - | 4 |
| Tier IV | | | | | | | |
| Bacteria (fecal & total coliform, HPC) (SM 9222B; SM 9215B w/R2A medium) | drinking water | 60 | 6 | - | 5 | - | - |
| Tier IV | | | | | | | |
| Isotech - d13C and d2H of methane; - Complete compositional analysis of headspace gas; - Stable isotopes of water (O,H) | drinking water | 18 | 2 | - | - | - | 20 |
| Notes: | Key: | | | | | | |
| 1. This QA sample will be an aqueous matrix. | Blgd = Background | | | | | | |
| 2. Trip blank samples will be collected at a rate of 1 per VOA and 1 per RSK-175 cooler per day | MS/MSD = Matrix Spike/Matrix Spike Duplicate | | | | | | |
| 3. Field blank samples will be collected at a rate of 1 per day | CRQL = Contract-Required Quantitation limit. | | | | | | |
| 4. Estimate based on 5 sampling days | QA/QC = Quality assurance/quality control | | | | | | |
| | Dup = Duplicate | | | | | | |